

8/31/60

Dear Josh and Esther

Now I am leaving London to Paris with pleasant memories at Lister Institute, and <sup>enjoyed</sup> sight seeing <sup>tips</sup>, to tower of London, Westminster abbey, taking a ferry to tower-bridge, Buckingham palace, etc. during the stay.

As for my work, I spend most of the time on linkage analysis of a cistogene ( $\gamma_E$ ) factor E, using Zinder's mating system in LT<sub>2</sub>. Data is still not enough, though, looks to me, E-character ( $\gamma_E$ ) shows clear cut segregation in its progeny contrasting induction where no segregation has been shown.  
(by I)

If, E, is on the host chromosome, there may be a <sup>special</sup> mechanism to pick E, up by I, or activating E, by I at the time of transfer.

And also, <sup>enjoyed</sup> co-working with Dr. Meynell who has interest to do genetic analysis on Pathogenicity of *Salmonella*, to make mating

Meynell told me about your joyful pleasant memory <sup>on you</sup> at the time of your stay at London. And I have had many good stories from them. Now, they brought new home, and enjoying set up of their home. I met Peter at Mill Hill too, and enjoyed to talk with him.

system in cross *S. typhimurium* × *S. typhi*, and *S. enteritidis* × *S. typhi*, by infection of F' or wild type F to those strains. Zinder's Hfr seems compatible in cross × *S. typhi*, and it is possible to infect *F<sub>13</sub>* to a *S. enteritidis* strain. During those studies, I am interested to study on those pathogenic bacteria where so many things were not known.

Bruce has been stay in his home at most of the time of my stay in Lister because of his summer vacation and writing papers and so on.

But he started some experiments using *B. subtilis* which is sent from Stanford recently, seems to me, he is very much interested on that work hoping that will have big success in near future. A work on

O-methyl-Lysine mutant of flagella protein and the genetic analysis which is done in this lab. seems very exciting from a point on <sup>genetic</sup> mechanism for modification of protein constitution. This kind of mechanism may be quite general one.

Anyway, I spent very fruitful days, and this is due to your thoughtful arrangement. Thanking you.

Sincerely yours. Y. Hirata